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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.
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09/346,375 07/01/99 CLEMENT R 2170.00019

IM22/0705
BLISS MCGLYNN PC
2075 WEST BIG BEAVER ROAD SUITE 600
TROY MI 48084

EXAMINER

ELVE, M

ART UNIT

PAPER NUMBER

1725

DATE MAILED: 07/05/00

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner of Patents and Trademarks

Office Action Summary

Application No.

09/346,375

Applicant(s)

Clement et al.

Examiner

M. A. Elve

Group Art Unit

1725

—The MAILING DATE of this communication appears on the cover sheet beneath the correspondence address—

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, such period shall, by default, expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).

Status

- ☐ Responsive to communication(s) filed on _____.
- ☐ This action is **FINAL**.
- ☐ Since this application is in condition for allowance except for formal matters, **prosecution as to the merits is closed** in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11; 453 O.G. 213.

Disposition of Claims

- ☒ Claim(s) 1-44 is/are pending in the application.
Of the above claim(s) _____ is/are withdrawn from consideration.
- ☐ Claim(s) _____ is/are allowed.
- ☒ Claim(s) 1-44 is/are rejected.
- ☐ Claim(s) _____ is/are objected to.
- ☐ Claim(s) _____ are subject to restriction or election requirement.

Applicant's Papers

- ☐ See the attached Notice of Draftsperson's Patent Drawing Review, PTO-948.
- ☐ The proposed drawing correction, filed on _____ is ☐ approved ☐ disapproved.
- ☐ The drawing(s) filed on _____ is/are objected to by the Examiner.
- ☐ The specification is objected to by the Examiner.
- ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. § 119 (a)-(d)

- ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d).
 - ☐ All ☐ Some* ☒ None of the CERTIFIED copies of the priority documents have been received.
 - ☐ received in Application No. (Series Code/Serial Number) _____.
 - ☐ received in this national stage application from the International Bureau (PCT Rule 1.7.2(a)).

*Certified copies not received: _____

Attachment(s)

- ☒ Information Disclosure Statement(s), PTO-1449, Paper No(s). 5
- ☐ Interview Summary, PTO-413
- ☒ Notice of Reference(s) Cited, PTO-892
- ☐ Notice of Informal Patent Application, PTO-152
- ☒ Notice of Draftsperson's Patent Drawing Review, PTO-948
- ☐ Other _____

Office Action Summary

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DETAILED ACTION

Claim Objections

1. Claims 17, 19, 20 & 23 are objected to because of the following informalities: (clms. 17, 23) use of "and/or"; (clms. 19-20) trickle/seepage and trickle seepage are identified, which is the correct version? Appropriate correction is required.

Claim Rejections - 35 USC § 112

2. Regarding claim 37, the phrase "such as" renders the claim indefinite because it is unclear whether the limitations following the phrase are part of the claimed invention. See MPEP § 2173.05(d).

Double Patenting

3. Claims 1-10, 13-18, 21-25, 30-34 & 38-41 are provisionally rejected under 35 U.S.C. 101 as claiming the same invention as that of claims 1-7 & 10-32 of copending Application No. 09/184,186. This is a provisional double patenting rejection since the conflicting claims have not in fact been patented.

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Claim Rejections - 35 USC § 102

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless --(a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.

5. Claims 1-44 are rejected under 35 U.S.C. 102(a) as being clearly anticipated by WO(I) (96/17737).

WO(I) discloses the release of a bonded screens, such as, vehicle windscreens which are bonded to a support frame. Release is generated by the transmission of energy from a delivery means through the screen which degenerates the bonding material (abstract). The energy delivery means is adjacent to the screen and transmits energy through the material, that is, the screen. The energy transmitted through the screen permits the release of the screen from the support frame (page 2). The energy is generally in a wave format and may be electromagnetic wave energy, such as light, or vibrational/sound energy. A preferred embodiment is the use of laser energy having a wavelength in the visible/near infra-red region of the spectrum (page 3). Energy delivery may be through the use of an ultrasonic transducer and this energy is preferably arranged to be focused or concentrated at a predetermined location. Additionally, it is preferred that tuning means is

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arranged to tune the frequency or intensity of the wave energy delivered by the energy delivery means (page 4). In order to use the laser delivery system to remove a windscreen from its frame, the system is comprised of a waveguide directing laser radiation from an energy source to an applicator head which is placed adjacent to the peripheral edge of the windscreen and is directed through the windscreen. The applicator head includes a beam guide and an on/off switch.

Continuous wave in laser radiation is directed from the applicator head through a localized portion of the windscreen to impinge upon the bonding bead (page 5). An example of the laser delivery system parameter is as follows: wavelength 820 nm, donor 60 watts and beam section 18mm by 4mm. There are alternatives to the laser delivery system, in accordance with the invention, such as, ultrasonic energy (page 6).

Conclusion

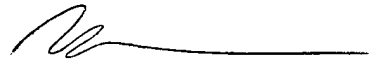
6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Rodgers et al. (US Pat. 5,895,589); JP(I) (abstract) (11267627).

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to M. Alexandra Elve whose telephone number is (703) 308-0092. The examiner can normally be reached Monday to Friday from 6:30 AM to 3:00 PM.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Pat Ryan, can be reached on (703) 308-2383. The fax number for the group is (703) 872-9386.

Any inquiry of general nature to the status of this application or proceeding should be directed to the group receptionist whose telephone number is (703) 308-0661.



M. Alexandra Elve
Patent Examiner
Technology Center 1700

June 29, 2000.